

**Selected ARPA-E projects demonstrating market engagement
as of February 26, 2013**

Private Sector Investment	
<u>Agrivida</u>	Engineering Enzymes in Energy Crops (Open 2009)
<u>OPX Biotechnologies</u>	Engineering Bacteria for Efficient Fuel Production (Electrofuels)
<u>Sion Power Corporation</u>	Lithium-Sulfur Batteries (BEEST)
<u>Fluidic Energy Inc.</u>	High-Power Zinc-Air Energy Storage (GRIDS)
<u>AutoGrid, Inc.</u>	Integration of Renewables Via Demand Management (GENI)
<u>QM Power</u>	Efficient, High-torque Electric Vehicle Motor (REACT)
<u>Phononic Devices</u>	Improved Thermoelectric Devices (Open 2009)
<u>Primus Power</u>	Advanced Flow Battery Electrodes (GRIDS)
<u>Massachusetts Institute of Technology</u>	Electroville: Grid-Scale Batteries (Open 2009)
<u>Stanford University</u>	The All-Electron Battery: a quantum leap forward in energy storage (BEEST)
<u>Transphorm</u>	Transistors for Electric Motor Drives (ADEPT)
<u>1366 Technologies</u>	Cost-Effective Silicon Wafers for Solar Cells (Open 2009)
<u>Envia Systems</u>	Long-Range Electric Vehicle Batteries (Open 2009)
<u>FloDesign Wind Turbine Corp.</u>	Mixer-Ejector Wind Turbine (Open 2009)
<u>Sun Catalytix</u>	Energy from Water and Sunlight (Open 2009)
<u>General Compression</u>	Fuel-Free Compressed-Air Energy Storage (GRIDS)
<u>24M Technologies</u>	Semi-solid Flowable Battery Electrodes (BEEST)

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New Company Formation	
<u>CUNY Energy Institute</u>	Flow-Assisted Alkaline Battery (GRIDS)
<u>Massachusetts Institute of Technology</u>	Electroville: Grid-Scale Batteries (Open 2009)
<u>24M Technologies</u>	Semi-solid Flowable Battery Electrodes (BEEST)
<u>University of Florida</u>	Solar Thermochemical Fuel Production (HEATS)
<u>Texas A&M University</u>	Stimuli-Responsive Metal Organic Frameworks (IMPACCT)
<u>University of Maryland</u>	Elastic Metal Alloy Refrigerants (BEETIT)
<u>Alveo Energy</u>	Open Framework Electrode Batteries for Cost- Effective Energy Storage (Open 2012)
<u>Energy Storage Systems, Inc</u>	Iron Flow Battery (SBIR/STTR)
<u>Xilectric, Inc.</u>	Reinvention of the Edison Battery (SBIR/STTR)
<u>Sila Nanotechnologies, Inc.</u>	Doubling the Energy Density of Lithium-ion Batteries for Transportation (SBIR/STTR)
<u>University of California, Los Angeles (UCLA)</u>	Liquid Fuel from Renewable Electricity and Bacteria (Electrofuels)
<u>University of Notre Dame</u>	Phase-Changing Ionic Liquids (IMPACCT)

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Government Partnerships	
<u>Polyplus Battery Company</u>	Rechargeable Lithium-Air Batteries (BEEST)
<u>DAIS Analytic Corporation</u>	Dehumidifying Air for Cooling & Refrigeration (BEETIT)
<u>Pacific Northwest National Laboratory</u>	High-efficiency Adsorption Chillers (BEETIT)
<u>ADMA Products</u>	Membrane Dehumidifier (BEETIT)
<u>Georgia Tech Research Corporation</u>	Innovative Miniaturized Heat Pumps for Buildings (BEETIT)
<u>Infinia Corporation</u>	High-Efficiency Stirling Air Conditioner (BEETIT)
<u>Sion Power Company</u>	Lithium-Sulfur Batteries (BEEST)
<u>ABB Inc.</u>	Magnetic Energy Storage System (GRIDS)
<u>Primus Power</u>	Advanced Flow Battery Electrodes (GRIDS)
<u>Alliant Techsystems</u>	Supersonic Technology for CO2 Capture (IMPACCT)